

What is claimed is:

1. An authentication system in which a communication terminal is communicably connected to a server system via communication means, wherein an authenticated result for a user who handles the communication terminal is made reference to provide data from the server system to the communication terminal via the communication means, the server system comprising:

a first authentication unit configured to authenticate user-identifying information transmitted from the communication terminal and generate first key information based on the user-identifying information so that the first key information is transmitted from the server system to the communication terminal;

a second authentication unit configured to authenticate the first key information transmitted from the communication terminal and generate second key information to access the data based on the first key information so that the second key information is transmitted from the server system to the communication terminal; and

an access permitting unit configured to permit the data to be accessed within a predetermined period of time, the access being carried out on the basis of the second key information transmitted from the communication terminal.

2. The authentication system according to claim 1, further comprising a second server system different from the server system,

wherein the second server system comprises a third authentication unit configured to authenticate the second key information generated the server system.

3. The authentication system according to claim 1, wherein the second server system is configured to set a period of time to permit the access to the data on the basis of a time instant at which the second key information is acquired and an accessible period of time remaining in the predetermined period of time for the access.

4. A server system communicably connected with a communication terminal via communication means, wherein an

authenticated result for a user who handles the communitarian terminal is made reference to provide data from the server system to the communication terminal via the communication means, the server system comprising:

5 a first authentication unit configured to authenticate user-identifying information transmitted from the communication terminal and generate first key information based on the user-identifying information so that the first key information is transmitted from the server system to the communication terminal;

10 a second authentication unit configured to authenticate the first key information transmitted from the communication terminal and generate second key information to access the data based on the first key information so that the second key information is transmitted from the server system to the communication terminal; and

15 an access permitting unit configured to permit the data to be accessed within a predetermined period of time, the access being carried out on the basis of the second key information transmitted from the communication terminal.

20 5. The server system according to claim 4, wherein the first key information is an access key to access to the data stored in the server system and the second key is a session key for transmission control of the data.

25 6. The server system according to claim 4, wherein, in cases where the user-identifying information is transmitted using a second communication terminal other than the communication terminal, the first authentication unit transmits, to the second communication terminal, a second access key generated based on the user-identifying
30 information provided from the second communication terminal, as the second access key being regarded as the access key.

35 7. The server system according to claim 4, wherein the communication terminal is configured to previously have predetermined terminal-identifying information being sent to the server system together with the user-identifying information.

8. An authentication method, in which a communication terminal is communicably connected to a server system via communication means, wherein an authenticated result for a user who handles the communitarian terminal is made reference to provide data from the server system to the communication terminal via the communication means, comprising the steps of:

authenticating user-identifying information transmitted from the communication terminal;

generating first key information based on the user-identifying information so that the first key information is transmitted from the server system to the communication terminal;

authenticating the first key information transmitted from the communication terminal;

generating second key information to access the data based on the first key information so that the second key information is transmitted from the server system to the communication terminal; and

permitting the data to be accessed within a predetermined period of time, the access being carried out on the basis of the second key information transmitted from the communication terminal.

9. The authentication method according to claim 8, wherein the first key information is an access key to access to the data stored in the server system and the second key is a session key for transmission control of the data.

10. The authentication method according to claim 8, wherein, in cases where the user-identifying information is transmitted using a second communication terminal other than the communication terminal, a second access key generated based on the user-identifying information provided from the second communication terminal is transmitted to the second communication terminal, as the second access key being regarded as the access key.

11. The authentication method according to claim 8, wherein the communication terminal previously has predetermined

terminal-identifying information being sent to the server system together with the user-identifying information.

12. The authentication method according to claim 8, further
5 comprising the step of authenticating the second key information generated the server system.

13. The authentication method according to claim 8, wherein the
10 second-key information generating step includes the step of setting a period of time to permit the access to the data on the basis of a time instant at which the second key information is acquired and an accessible period of time remaining in the predetermined period of time for the access.

14. A computer-readable program installed in a server system
15 communicably connected with a communication terminal via communication means, wherein an authenticated result for a user who handles the communication terminal is made reference to provide data from the server system to the communication terminal via the
20 communication means, the program makes a computer realize the functions of:

first authentication means for authenticating user-identifying
information transmitted from the communication terminal and generate
first key information based on the user-identifying information so that
25 the first key information is transmitted from the server system to the communication terminal;

second authentication means for authenticating the first key
information transmitted from the communication terminal and generate
second key information to access the data based on the first key
30 information so that the second key information is transmitted from the server system to the communication terminal; and

access permitting means for permitting the data to be accessed
within a predetermined period of time, the access being carried out on the
basis of the second key information transmitted from the communication
35 terminal.

15. A recording medium storing thereon a computer-readable program installed in a server system communicably connected with a communication terminal via communication means, wherein an authenticated result for a user who handles the communication terminal is made reference to provide data from the server system to the communication terminal via the communication means, the program makes a computer realize the functions of:

first authentication means for authenticating user-identifying information transmitted from the communication terminal and generate first key information based on the user-identifying information so that the first key information is transmitted from the server system to the communication terminal;

second authentication means for authenticating the first key information transmitted from the communication terminal and generate second key information to access the data based on the first key information so that the second key information is transmitted from the server system to the communication terminal; and

access permitting means for permitting the data to be accessed within a predetermined period of time, the access being carried out on the basis of the second key information transmitted from the communication terminal.